

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: 50 mH coil
Message-ID: <UPMAIL03.199602220133210199@msn.com>

I am in need of a 50 mH coil tapped accordinately for a Hartley Oscillator configuration. Miller doesn't exist any more to my knowledge and this type of part seems to be none exsistent in the Houston area. Is there any coil guru out there that can tell me how to wind my own, I am sure toroids are out at this high inductance at least for oscillation. Any help appreciated. Basically I want this coil to resonate mid way on the linear curve of a 20 to 365pf broadcast variable so i can get an oscillation at 50 KC. That in my poor judgement is a round 100 pf. It seems to me that a coil winder was for sale 20 or so years ago that would do Honeycombs, pie, etc, does anyone still make them and were they any good to begin with. Lots of questions I know, but I have to ask.

Thanks
Al Fritsche
fritsche@msn.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: A.R.R. & R. Home Page
Message-ID: <50704.ddillman@igc.apc.org>

Bob Eslinger of Antique Radio Restoration & Repair now has a home page on the Web at:

<http://www.bluefin.net/~mike/olradiodoc.html>

Bob provides "soup to nuts" restoration services for the radios we hold so dear and, according to all reports, his work is outstanding. While none of my radios have yet to pass through his shop the SP-600-JX-17 may be an early candidate.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996

From: Andy Howard WA4KCY <102452.362@compuserve.com>
Subject: Dalton, Georgia Hamfest, Feb. 24, 1996
Message-ID: <960220210703_102452.362_DHT108-1@CompuServe.COM>

To all who inquired:

The Dalton, Georgia hamfest is the first of the season for this part of the country. There is always a good turnout and they have both inside and outside flea markets. It is always a good vintage hunting ground. There is a large group of AM operators in the southeast and most will show up at Dalton. The weather report is 75 degrees with the possibility of rain. This is good news since it is usually cold at this particular hamfest.

There will be a large AMI group lunch at Shoney's up the street. The AMI banner will be at one of the tables and they will have information as to the time of the luncheon. Also the time will be announced over the hamfest sound system.

To get to the hamfest take I-75 from Atlanta and go to the second Dalton exit (Rocky Face exit) and go right (east) until you come to a major intersection (Cleveland, TN highway) and turn right again. Go to first traffic light and turn right. The fairgrounds are on the right about a block.

Coming from Chattanooga take Rocky Face exit and pick up from previous paragraph.

Any questions drop me a line.

Andy, WA4KCY
AMI #9
SE Regional Director, AMI

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: Easy 240 uH coil recipe
Message-ID: <824928834.0711665@AppleLink.Apple.COM>

Greetings all -

My son and I calculated out a coil last night and wound it up. Today I measured it at work on the Sencore. I had to take off about 20 turns, here's how it finally came out:

240 uH coil recipe for use with 365 pf air variable caps

4" long piece of 1.3285 diameter, (.140 wall) PVC pipe (Sched 40)
45 feet of #27 (.0155 diameter) enamel coated wire

(1 turn uses about 4.5" of wire)

Coil dimensions:

1.82" long (114 Turns)

This coil measures at 241 uH on the Sencore and yields a value of 53 on the LC102 ringing test. (Values above 10 are considered "good".)

Does anybody know what this number is a measure of?

(Cycles before decaying to some % of peak perhaps?)

Now onto the breadboarding...

-df

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996

From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>

Subject: FCC Wullenweber antennas

Message-ID: <MAILQUEUE-101.960221160257.288@vilas.uwex.edu>

> >Doesn't the FCC use Wullenweber (sp?) antennas for their DF'ing? I've

> They don't at the Livermore monitoring station here in California,

The FCC had modified Wullenweber antennas in their main monitoring posts. The field offices had much smaller antenna farms. I toured Allegan, MI in 1987 and wrote a story about their facility for Pop Comm (I think it was Aug 88. Last one I wrote because they treat their authors like s**t). The FCC Wullenwebers were designed in-house at their research facility (I think it was Powder Springs, GA).

The FCC version of the Wullenweber is much smaller than the two military units you guys have been discussing. The control unit is a motor driven capacitively coupled "commutator". It had nuvistor preamps (yes, tubes were in use until the demise of the facility last year). The display was basically a rotary swept scope. As I recall, the FCC claimed a basic accuracy of 6 degrees on a single reading. Resolution improved with multiple loggings.

In addition to the Wullenweber, the Allegan facility had a rosette of five bi-directional rhombics. This arrangement allowed for 36 degree resolution of the compass. They also had three bi-directional Beverage antennas for 60 degree resolution. Then they had two broadband 10kw Hy-Gain vertical arrays, VHF and UHF discones and log-periodics... Racal RA-6790s and RA-6793s, WJ VHF and UHF

receivers... It was sweet facility.

I wonder what happened to the equipment after the closed the place...

73 Terry O' WB9GVB

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: montaw@inforamp.net
Subject: Filter caps for Drake R4 Needed
Message-ID: <9602210555.AB0039@ts27-02.tor.InfoRamp.Net>

I need 2 or 3 of these tab mounted aluminium filter caps. The type in question is a Mallory triple 200/100/20 uf at 200 volts. It stands about 2 1/2" tall to the bottom of the shoulder but not counting the twist tabs. I need the caps or a source. Mouser only sells the low voltage stuff. I'm height restricted in the R4C, so the vertical dimension is important.

What say, hummmmmmmmmmmmm?

Thanks,

Wayne

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Lahlum Ross" <ross_lahlum@msmail.wes.mot.com>
Subject: RE: Filter caps for Drake R4 Needed
Message-ID: <9602211744.AA27191@kay.wes.mot.com>

>I need 2 or 3 of these tab mounted aluminium filter caps. The type in
>question is a Mallory triple 200/100/20 uf at 200 volts. It stands
>about 2 1/2" tall to the bottom of the shoulder but not counting the
>twist tabs. I need the caps or a source. Mouser only sells the low
>voltage stuff. I'm height restricted in the R4C, so the vertical
>dimension is important.

>What say, hummmmmmmmmmmmm?

>Thanks,

>Wayne

There's a good place in Chicago called Triode Electronics - (312)871-7459

Ross - KB9JJR

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Michael.J.Knudsen@att.com
Subject: Re: Frank Jones SK
Message-ID: <9602202334.AA15333@bock.ih.att.com>

Is that the Jones that designed the "Super Gainer" 4-tube regen superhet (!) and umpteen variations of it, back in the '30s?
I have the "Short Wave Manual" reprint by Jones with those sets.
There may be some VHF ("UHF", aka 5 meters) stuff in there even.

It's a good book, and someone (Bobbi?) said that Super Gainer was as hot a set as they claimed. 73, mike k aa9rg

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: FS: EICO 723 & 722vfo
Message-ID: <Pine.SOL.3.91.960221212325.18916A-1000000@iglou2>

Eico 722, 60 watt cw only transmitter using a 6146 final with matching 722 external vfo. VFO is quite stable and keys beautifully. \$100 for both. Won't separate. Plus shipping.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: aculbert@pps1-po.phyp.uiowa.edu
Subject: FS: NC-173
Message-ID: <199602202222.QAA32008@ns-mx.uiowa.edu>

Fellow boatanchorites. I have just completed acquisition of an old timer's station and I now have surplus to my wants / needs a nice NC-173 w/ matching speaker.

The NC-173 was the receiver that received notoriety when Thor Hyerdahl used one on his raft Kon Tiki and dates from the 1948-1950 era. This unit is s/n 3646 and covers 0.54 MHz through 31 MHz with calibrated bandspread on the 80-40-20-10

AND 6 meter ham bands. Operation on the lower 4 bands was confirmed, but I could not hear anything on the 6 meter band when connected to my 80 meter dipole, which did not surprise me. Did these things ever work on 6 meters? The S-meter is inoperative. The radio has all correct knobs and logo and none are cracked or chipped. The chassis is clean enough to eat off of. Bad news, the paint on the lower inch or so of the cabinet is starting to flake off in spots leaving bare metal spots which are starting to show rust. I suspect it was stored for too long on something holding moisture. The radio sounds great when listening to broadcast (BC and SW) signals. I have a manual copy.

The matching NC-173TS has a permanent magnet speaker and the original sound proofing material inside the cabinet is intact. The cone does have a puncture hole.

I will double box the radio and speaker in separate cartons ready for shipment within US for \$185.00. Purchaser to pay shipping costs.

Al, K0AL

allan-culbert@uiowa.edu or (319) 377-4367 in the evenings

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Kevin Pease <hamradio@mm1001.theporch.com>
Subject: Re: FS: NC-173
Message-ID: <Pine.LNX.3.91.960220183629.6836C-1000000@mm1001.theporch.com>

The NC-173 really does work on six meters. Not real stable and not real sensitive but I have heard six meter beacons on mine. I have an NC-173 R that used to belong to Conrad. Pretty good old radio. It is temporarily not being used because of an HQ-120 that has taken its spot on my night stand.

Kevin Pease
WB0JZG Mount Juliet, TN.

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Cormac Thompson <cormac@televar.com>
Subject: GP-7 Tuning Unit FS
Message-ID: <312B3860.1DC3@televar.com>

Hello BA Group:

Attn: Military Radio buffs- I have a Westinghouse Type CAY-47155 Tuning Unit "C", 1500-3000KC, a unit of a GP-7 Aircraft Radiotelephone.

It looks like its never been used and the calibration chart has never been written on. The unit is complete with its steel container that looks like new except for a few wrinkles along the front edge lip of the box.

What's it worth to someone who can use it?

Cormac, W7JHS
cormac@televar.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: mack@mails.imed.com
Subject: Hallicrafters Requests
Message-ID: <9601218249.AA824943648@mails.imed.com>

I got this post over on ham-tech and am forwarding to the experts.

I am interested in the going price for an S-38E as well.

Ray Mack
WD5IFS/AA
mack@mails.imed.com

----- Forward Header -----
Subject: Hallicrafters Requests
Author: NV5A@aol.com at mails
From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
Message-Id: <960215110350_322951051@mail02.mail.aol.com>
Subject: Hallicrafters Requests

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: steve@hi.com (Steve Byan)
Subject: Re: Hallicrafters S-76
Message-ID: <v02130500ad50fb067f85@[140.243.30.128]>

I picked up an S-76 for \$35 at the Harvard MA flea market (a regular flea market, not a hamfest) last spring. Took two trips past the table before I spotted the radio underneath. It's an interesting receiver to me because it is apparently Hallicrafter's first dual-conversion HF receiver.

It's now awaiting repair and restoration. I obtained a Hallicrafter's manual and Sam's photofact on it (Thanks Rhyne!). It's got some chassis corrosion but not too bad, and the case and front panel are in OK shape.

The metal trim ring on the knobs is rotted; I hear this is common on old Halli's.

Tips on common failure modes would be appreciated.

Regards,
-Steve

Steve Byan	internet: steve@hi.com
Hitachi Computer Products (America), Inc.	
1601 Trapelo Road	phone: (617) 890-0444
Waltham, MA 02154	FAX: (617) 890-4998

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: HALLICRAFTERS SX-24
Message-ID: <9601218249.AA824935946@smtpgw.ccgate.dl.nec.com>

Folks:

Wanted to seek some info about an old receiver
I have owned for a few years.

It is a Hallicrafters SkyRider Defiant SX-24. Has
a good many dings on the case, and the dials are
yellowed, but it works very well. It is quite
sensitive on all bands.

I was wondering if anybody might know when these
radios were in their prime, and if the serious
collector might find this rig of value.

Any info you can forward me would be appreciated.

73 de David Kreinberg KK5HA
kreinbd@ccgate.dl.nec.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: kb0qil@kb0qil-uhf.ampr.org
Subject: Re: help calibrat. tek 535A??
Message-ID: <233@kb0qil.ampr.org>

Stan, thanks for the reply. Yes, I am refering to the sawtooth voltage. I am unable to 'center' the display. The sawtooth is going to about 170 volts. The -150 is minus 150, the +100 is +96. If what you say is true I should look for a 'weak tube'. I will try replacing the 6AU6 V664.

What limits the sawtooth? If I extent the sweep it flattens out on top. There must be something limiting it?

By the way, after connecting a 54 MHz osc. in place of the 1 Gig and putting a 2 meter band pass filter on the input to remove the TV stations 3 miles away the L30 picks up the the 2 meter repeater 10 miles away. The S/N is better then 4:1. I had to know what I was loking for before I could see it, but it worked. Now mayby I can find the stations that is interfeering with 2 meter packet.

73's Dan

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: help calibrat. tek 535A??
Message-ID: <199602210531.XAA29683@zoom.bga.com>

As Stan Griffiths said

>
> >Hello all, de Dan. I need a little help calibrating a Tek. 535A. I am
> >trying to run a L30 and the Sweep Step Voltage, time base A, is 170 V
>
> Not familiar with the term "Sweep Step Voltage". Are you talking about the
> Time Base A Sawtooth Out from the binding post on the front panel? It
> should be about 150 volts and is not adjustable.
>
> >and the +100 supply is low. I cannot 'find' those adjustments. If
> >someone has a manual and can identify them it would be very helpful.
>
(Stan's good discussion on checking the +100 supply deleted).

I assume (as does Stan) that you are talking about the "Sawtooth Out" on the front panel.

What are you measuring these power supplies with? Also, what about the 225, 300, and 500 supplies? All of the postive supplies use -150 as a reference. If you're using a typical Simpson meter or cheap DVM, you may have more error in your meter than is in the supplies.

One thing to try with out-of-tolerance supplies is to wiggle all the tubes in their sockets. I've had to treat these with Deoxit to get the

pins to make good contact. I use an HP412A that has been checked against standard voltages for making the power supply measurements. None of my Voltohmyst VTVM's is accurate enough at all these voltages. The Tek instruction manuals give 1% as the tolerance on -150, and "about 5%" on the others. Even a 412A is not sufficiently accurate at 150 volts unless it has been compared with a reference and adjusted at that point, which is a half-scale reading on that meter.

I'll re-emphasize what Stan has said: Get ALL the power supplies (including the HV supply) working correctly before trying to fix anything else or calibrate the scope.

On the sawtooth voltage, this is the voltage from the sweep generator ("Miller Integrator" op amp) passed through a cathode follower. The maximum voltage is set by the "Sweep Length" control. It should be very close to 15 volts/cm of horizontal deflection.

The sweep calibration is done by:

1. Set the magnifier gain. This adjusts the gain of the horizontal amplifier, with the X1 resistance shorted out.
2. Set the "Sweep Cal." This is in series with the magnifier pot, and switched in on X1. Tek specifies using 1 millisecond/cm. This is not absolutely mandatory---you can set the sweep on any of the midrange positions. However, be sure to check 1/2/5 on one midrange, and at least one speed on every decade. The fastest sweep speeds have specific tweaks. The slowest decade uses separate timing resistors, so check all of the slowest speeds. The spec is 3% (that is, 3mm max error on 10cm of display). You may need to average out the error on an old scope, and may not be able to get 3%. Changing the timing resistors is a terrible job, and it's your choice whether to do it if you are close to 3%. If you need to change a resistor, I suggest getting the Holco 0.1% resistors that Mouser has just added to their line. You will need 1/2 watt for the center positions, and 1 watt for the slow positions, both for dissipation and for voltage. I won't comment on the timing caps, because I've never (knock on wood) had to change one in a scope that has been in the field. These were made by Tek to 1% tolerance, and while the values are standard, if you don't have a parts cap, you are going to have to play some games with parallel trimmer caps to get within tolerance.
3. Set "Sweep Length" to 10.5 cm. This sets the point at which the switch gate flip-flop is reset. You can use a meter and one of the slow sweep speeds to check the voltage. I think that 150 +/- 5% is about right.

If you need 170 volts of sweep generator output to get 10 cm of

display, your sweep is probably badly out of calibration. The tweaks on these adjustments were designed to fall near the center of the pot rotations, and I notice that even on a high-mileage 40-year-old scope, they are still pretty close. If you've got a tweak at the end of its range, or can't get calibration in the range of the tweak, start trouble-shooting. If you've got another scope, and can look at the sawtooth, the time between the start of the ramp and 150 volts should be very close to 10X the time/CM chosen. Note that there is a substantial holdoff after the sweep flip-flop resets, and the sweep voltage will ramp down, not just "fall" to 0 volts. If the return part of the waveform is not followed by a definite delay at 0 volts, with the sweep free-running, check the holdoff circuit. Symptom of no holdoff is that the sweep starts running somewhere to the right of where it should begin when the sweep is free-run (stability full clockwise).

One thing to keep in mind is that if the CRT HV is high or low, you will not be able to adjust either the sweep or set the vertical amplifier gain in the scope. The correct vertical gain is 100 mv/cm at the Blue Ribbon connector pins 1 and 3. This point is elevated 67VDC, so don't ground it. Overvoltage on the HV will increase the volts/cm required to deflect the CRT beam (more gain needed in the amplifiers), and undervoltage will decrease this. If one of the diodes in the tripler is not doing its job, you may see the right HV at the test point, and get a beam on the CRT, but you will have too much sensitivity at the deflection plates for the amplifiers, and poor writing rate at the faster sweep speeds.

Another trouble spot in the circuit are the two neon bulbs in the sweep generator CF (follows the miller integrator plate). The top bulb in the schematic functions as an offset, similar to a zener. The bottom bulb is a clamp to prevent the CF grid from going too negative with respect to the cathode. These are plain NE-2 bulbs, and I've seen them go soggy, fail to fire in the dark, and cause general grief. Both of these should light up when you power the scope up from cold, then go out at the CF warms up and caps charge.

Follow the step-by-step manual instructions for calibrating the horizontal amplifier and sweep. Don't try to make those adjustments out-of-sequence. If you haven't got the correct manual for your scope, get one. You can't calibrate a 535A with the 535 procedure, the whole sweep is set up differently. There are enough tricks in the sweep generator and horizontal amplifier on various scopes that I suspect that if you added together what Stan and I have forgotten about Tek 530/540/580 sweep circuits, it would be enough to support a week of classroom lectures on Tek sweep circuits.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: "Sean McCarthy" <wx8l@vtc.tacom.army.mil>
Subject: Help priceing tubes
Message-ID: <199602210139.UAA03400@vtc.tacom.army.mil>

Howdy all,

I have some NOS tubes i'd like to sell, If its worth the trouble...

- 4) GE GL100TH
- 1) GE DR812
- 1) GE GL812
- 5) Gammatron HK-54
- 7) Taylor TZ-40
- 1) National 812H
- 1) Eimac 254W

Thanks,
Sean McCarthy, WX8L
2224 Marlow, Warren MI 48092 (810)573-9277
wx8l@vtc.tacom.army.mil

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Emile Imberman/US/3Com
Subject: HQ170 Cleanup
Message-ID: <9602202256.AA2873@hqsmtp.ops.3com.com>

Hi,

I picked up a HQ170 and matching Spkr last Weekend and need to do a little cosmetic cleanup.

Can anyone tell me where to get the rubber feet for the speaker, or do I just buy some stick on feet? Also, what kind of cleaner can I use to remove stains etc without removing the finish.

Thanks in advance for any info.....Emile/KG5CY

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9D0))
Subject: RE: HQ170 Cleanup
Message-ID: <9602211230.AA04342@etn.com>

Emile,

As always, try this in a small out-of-the-way area of the cabinet first. Basic old fashioned mineral spirits applied with 0000 steel wool. It pays to remove the speaker from the box! Try to do this away from speakers and anything magnetic, and tuning coils, and tuning caps.

Saturate a clean ball of steel wool with the spirits and lightly rub it on in a circular motion. Keep the entire surface damp. Let stand for a minute and wipe off with clean steel wool. If you use very light pressure years worth of junk, crud, goop, and nicotine come off easily. This method works for both wood and metal cabinets. It works best on "rough" surfaces. Care must be taken with smooth colored lacquer finishes.

73 de KG9D0, Dennis

Doonan@cordmc.dnet.etn.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996

From: Guy Dragoo <gdrag@proedge.com>

Subject: HQ170 Cleanup

Message-ID: <01BB005B.1F6A3A60@ft212.computek.net>

Hi Emile,

I would recommend good old ammonia and water. I have found that ammonia = cuts readily thru the crud (it seems to clean oxidation from aluminum = but I would guess it will not do much good on really badly oxidized = parts). You will find it cuts the toughest stains quite well. I have = also found Windex to be a good, easily applied, and quite effective = cleaner also (it contains ammonia also). I usually spray apply the = cleaning solution and use a foam or bristle brush to work the grime = loose and follow with another spraying and a lint free cloth. For = really bad stains I have used a soak bath for cases and enclosures and = let them set in it until the stains disappear. I have heard of fellows = submersing whole rigs in such a bath with no ill effects but I guess I = just don't have the nerve to do this, tho they report good results and = no component damage (be sure to dry thoroughly with a hair dryer or = elevated heat for a time before you fire the rig up!). I also usually = finish with contact and tube pin lubing with one of the Craig products = (Deoxit, which by the way I believe contains mineral oil) for long term = trouble free operation. I have also used Lubriplate white grease for = all mechanical rotating or sliding joints (I have also heard of people = recommending the use on contacts but I have never done it for fear of = the grease being an insulator as opposed to a conductor and thereby = creating more problems than it solves).

73

Guy Dragoo KC5QPK

gdrag@proedge.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: MIKE SANDERS <ks0f@basic.net>
Subject: HRO stuff wanted
Message-ID: <199602202230.QAA21090@basic.net>

Greetings,

I'm looking for an AD dial scale for the HR050/60 either one.

Have genuine hens teeth to trade or if you prefer Yankee Bux. Also still in need of an A coil for my 50 not 60 and a C or F coil for the 50 or 60. How about a source of replacement power transformers for the 50. I have a beautiful smaller lighter skin National speaker that I would like to trade for a slightly larger and darker National speaker of like condition or matching NC300 speaker. (Trade only please.) Still have the HR07C coils B and C for trade. Have Heath, Drake, Hammarlund small BAs for trade for HRO stuff for the 50 or 60 or an E coil for HRO 5. Have a new unbuilt Knight crystal calibrator kit in the box and a new in the box and original packing Heath DX100B cabinet that I might part with for HRO stuff. If it's HRO 50, 60 or 5 I am probably interested.

Thanks, Mike

ks0f@basic.net

P.S. Have very nice 75S3 escutcheon and 75S3B/C front panel overlay. 516E1 (or is 2?) mobile supply nice. 1928 Callbook.....You got something HRO? Bound GE HAM NEWS hardback no. II, Johnson 1962 color catalog, etc. etc. Email me, lets chat, Lets trade.

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: manuals for sale
Message-ID: <199602220257.SAA04027@ix2.ix.netcom.com>

The Eico manuals and the 75A3 manual has been sold.

thanks for the other inquiries.

Larry
W00GH@ix.netcom.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: montaw@inforamp.net
Subject: Military Handsets
Message-ID: <9602210546.AA0038@ts27-02.tor.InfoRamp.Net>

Anyone know how the handset for a PRC/25 comes apart? Not just the
pressel switch, I need to get at the mic and earpiece. It looks like
its bonded together. I've used a fair bit of force short of damage,
but so far, no joy.

Tx,

Wayne

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: rsolomon@cctds.textron.com
Subject: More Old "Stuff"
Message-ID: <9601208248.AA824855581@cctds.textron.com>

What you find after all these years. New tubes still in original
boxes;

(2) 12B4A GE	(1) 6AU6A GE
(2) 12AX7A GE	(1) 12AU7A Raytheon
(5) 6DJ8 Amperex	(2) 5651WA Raytheon (MIL)
(2) 12AT7A GE	(1) 6AH6WA Sylvania (MIL)
(1) 6BA6W GE (MIL)	(1) 5963 Sylvania (MIL)

Best offer on the lot or trade for ??

Still Looking for Gonset Twins, might consider Multi-Elmac.

Also have Two (2) 7360 (the rare birds), now if I can only
figure out how to test them on my TV-7D/U, instructions look
daffy, any help ??

For the collectors I have Two (2) unused WE 416B and One (1)
417A, no boxes, been sitting on the shelf for years. Offers ??

e-mail me direct at rsolomon@cctds.textron.com

73, Dick, W1KSZ

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996

From: tony@bright.net
Subject: Nationals, Continued
Message-ID: <199602220413.XAA24449@brutus.bright.net>

Many thanks to those BA-types that have come to my aid with tips and advice regarding the RBJ mystery receiver. I really appreciate the help!

On to the next mystery: I recently acquired a National NC-33 fixer-upper. In poking around the chassis, I discovered a National tag on the top which has the red diamond and the legend "Receiver Construction Kit". This tag is riveted to the chassis. Next to the tag is engraved "Property of United States Navy". Only then did I notice the four screws for the I.D. tag on the front panel. In fact, the panel tag covered the NC-33 designation, which is engraved in the panel but is not colored white like the rest of the panel markings.

Could this receiver have been used in some sort of training class for seaman recruits? Anyone have an idea of the military designation for this set, if one was assigned? I wonder if this receiver was one of the "shipboard entertainment" models?

Sounds like a fun one to kick around on the list. Now I need to find some "normal" Nationals for my collection. :}

73 de N8SNC, Tony

The radio is in decent shape, but will need a repaint because of some rust...can anyone recommend a close-matching paint (Krylon, etc. types)? I could also use a dial-cord stringing diagram.

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: NC-60
Message-ID: <UPMAIL03.199602210028490087@msn.com>

I had a simple NC-60 as my first receiver and would like to have another, Anyone got one they want to part with .

Thanks
Al Fritsche
fritsche@msn.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: David Metz <metzd@cfw.com>
Subject: need: manual knight sweep gen.
Message-ID: <9602220218.AA11178@milo.cfw.com>

I recently acquired a Knight/ Allied radio "RF sweep generator" that covers 0-240MHZ in 4 bands. There is no model # anywhere. It has 7 tubes, about 12" wide 10" high and 8" deep with a big freq knob in the center. I know that isn't a great description, but would anyone have manual or be able to recommend someone who might have this obscure piece? My hope is to sweep align the 6 IF's of the R390 and see if there is a noticeable difference over the "normal" alignment.

Any response by private email would really be appreciated. Thanks

73's dave metzd@cfw.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Rokusek, Don" <drokusek@fsc.follett.com>
Subject: Novice Band Crystals Needed
Message-ID: <96Feb21.134331cst.12682@fscmail.fsc.follett.com>

Novice (on a limited budget) returning to the air after 20 years needs crystals for Heath HW-16 CW Transceiver (80/40/15m - crystal freqs 3.55-3.575, 3.625-3.725, 7.033-7.066 and 7.1 - 7.15 MHz - HC/6U holders). Jan Crystals in Florida wants \$13 a piece for these, and I'm looking for anyone willing to part with older used crystals that they are no longer using. I will give them a very good home and pay any reasonable price.

I would really like to find matching HG-10 VFO so that crystals aren't needed.

I really enjoy reading the discussion (and nostalgia) on BOATANCHORS. When I was a boy my father was an electronics (radio/TV) repairman, so I grew up surrounded by mounds of tubes and tube gear (all of which is now long gone). Looking forward to having the spare change to secure on old DX-100 or Viking II.

Thanks for any help,
KA9UYQ - Don Rokusek
drokusek@fsc.follett.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996

From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
Subject: RE: Now Wouff Hong (was apologies...)
Message-ID: <9602211108.AA05823@amos.YP.mystnite>

To think that a pair of misplaced Kenwood 'instruments' would have
launched all this ROTTEN QRM!*

*title of OM article/cartoon fm early QST that
started the Wouff Hong

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Duncan Cadd <dcadd@luc.ac.be>
Subject: RE: Now Wouff Hong etc
Message-ID: <9602211503.AA16995@alpha.luc.ac.be>

Greetings, Anchorites, from a snowy, slowly thawing Diepenbeek in N.E. Belgium!

> From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
> To think that a pair of misplaced Kenwood 'instruments' would have
> launched all this ROTTEN QRM!*
> *title of OM article/cartoon fm early QST that
> started the Wouff Hong

Would some kind soul take pity on a 'damned foreigner' and explain the origins
of the terms "wouff hong", "rettysnitch" and (forgets the other one) ?

Pre-war QSTs are a bit thin on the ground over here!
73,

Duncan ON9CHU / G0UTY G-QRP 8117 dcadd@luc.ac.be

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: RE: Now Wouff Hong etc
Message-ID: <Pine.SV4.3.91.960221094404.13256A-100000@uhunix5>

On Wed, 21 Feb 1996, Duncan Cadd wrote:

> > From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
> > To think that a pair of misplaced Kenwood 'instruments' would have
> > launched all this ROTTEN QRM!*
> > *title of OM article/cartoon fm early QST that
> > started the Wouff Hong
>

> Would some kind soul take pity on a 'damned foreigner' and explain the origins
> of the terms "wouff hong", "rettysnitch" and (forgets the other one) ?

We would but we were sworn to secrecy after going through the initiation.
If you can find a picture of the Wouff Hong in a QST it might explain
fully the experience of having been subjected to it...

73 from Hawaii,
Jeff NH6IL

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: jerry_kovacs@om.cv.hp.com
Subject: please subscribe
Message-ID: <H00016600ed5aade@MHS>

Item Subject: Text_1
please subscribe

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Paul.Thekan@pgtp.varian.com (Paul Thekan)
Subject: R - 115 RCVR. Need Info.
Message-ID: <199602210358.TAA13718@pgtp.varian.com>

Greetings All

I have a friend who would like some info on a R
115 receiver. This is what info I have. It's WW2 vintage , used by the Coast
Guard and was made by National. It covers 200 - 400 kc and .490 - 18 mcs.

My frind would like to know the tube line up for
the set and any other bits of info would be welcomed of course. Please E
mail me and I will forward the info to him.

Many Thanks
Paul N6FEG

Paul Thekan - Speaking for Himself
Paul.Thekan@pgtp.varian.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Stanley L Flegler" <flegler@pilot.msu.edu>
Subject: RE: R-390 connectors

Message-ID: <199602211420.JAA44976@pilot03.cl.msu.edu>

The coaxial connector is a type C connector. Any good electronics store could order one or Newark Electronics (call 800-298-3133, ext. 48 for a catalog) has them on page 786 of catalog 114. They are not cheap; around \$30.00 each. Maybe some boatanchor people know of a cheaper source or a source for used connectors. The other connector is a Twinaxial connector and is also available from Newark on p. 788. However, Fair Radio Sales Co, P.O. Box 1105, Lima, OH 45802, telephone 419-223-2196, has these connectors available used on p. 16 of their catalog. 73 Stan K8RPA, flegler@pilot.msu.edu

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Joe_Wilkowski@mc.xerox.com (Wilkowski,Joe)
Subject: RE: R-390 connectors
Message-ID: <"<B0672B3181B7677C>B0672B3181B7677C@X-MC-0819-MS2.XEROX"@-SMF->

Toronto Surplus, (and I'm sorry I don't have the number with me if you need it just reply I will send it out) who's address & phone number has been posted here before, has the C connectors for 5 bucks a pop, do know, but he may also have the twinax connectors as well.

73's
/joe

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Re: R-390 connectors
Message-ID: <199602211905.LAA13931@hobbes.UCSC.EDU>

The Twinax connector is a standard item for some kinds of IBM networks - I found some real cheap at a surplus store with Twinax-to-twisted-pair balun transformers included.

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: dmedley@ix.netcom.com (David Medley)
Subject: R390 connectors
Message-ID: <199602210520.VAA17494@ix11.ix.netcom.com>

I have just acquired a very nice R390 in great working condition. To complete the installation in my shack I need the special antenna connectors, one coaxial and one two wire. Can anybody please tell me where I can buy these things?

Thanks
David Medley KI6QE

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Michael.J.Knudsen@att.com
Subject: Re: R390 connectors
Message-ID: <9602211650.AA15508@bock.ih.att.com>

For the "pregnant BNC" connector coaxial, I'd recommend an adaptor to either BNC or PL-239. I found a BNC adaptor at a hamfest from one of those dealers who has a whole slew of tables covered with connectors and adapters. This lets me use standard antenna feeds around the shack.

That twinax connector is hard to find. I managed to get a T-coupler for \$12, and soldered a couple wires into one female end so I can clip leads onto it.

BTW, I found that my R390A does not perform any better nor align any sharper on the balanced 2-wire input. But then my antenna feed is unbalanced coax; if you have a [folded] dipole with ladder-line feed or use a balun, it might work better. Also the R390 non-A you have may behave differently.
73, mike k aa9rg

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>
Subject: Re: R390 connectors
Message-ID: <9602212038.aa09288@jackatak.theporch.com>

Hi gang-

> For the "pregnant BNC" connector coaxial, I'd recommend an adaptor
> to either BNC or PL-239.

^---- I be more inclined to go for a PL-259

> That twinax connector is hard to find.

Not if you've ever been around an IBM System 38 or it's younger cousins... I have several pieces of twinax, with connectors at EACH end... about 50 feet of cable... I think I can lay my hands on more if there is wild demand...

Make me a reasonable offer, if interested, including UPS ground, and out they go! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -
firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>
Subject: Racal equipment guide
Message-ID: <MAILQUEUE-101.960221173542.544@vilas.uwex.edu>

Jack has added my Racal Equipment Guide to the boatanchor archives. This list contains a brief description of equipment manufactured by Racal both in England and the US. The guide contains a lot of information on older equipment but is a bit shy on newer gear. If anyone can help expand the listings, please e-mail me at olaughlin@vilas.uwex.edu and I'll include your information.

73 Terry O' WB9GVB

To retrieve the Racal file send a message to:

listproc@theporch.com

Leave the subject blank and put only the following in the text:

get boatanchors racal.gear

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: drhydro@ames.net (Paul Nelson)
Subject: RME6900 Frt Panel Stuff/ R388 question
Message-ID: <v01540a00ad4fe47edeb9@[1.1.1.1]>

I just remembered that I have a COMPLETE set of RME6900 knobs and plastic front panel attachments, which I would be happy to donate to anyone who's trying to restore one of those venerable receivers. I wish I had kept the rest of it... (sigh) ...had I only known about this group of folks then... BUT NEVERMORE will I deem something like that unrestorable and give it away. I promise!

And now a question: I have a very nice R388 that I love to use, and want to keep original.... does anyone know of a plugin product detector mod that could replace the detector and be COMPLETELY removable? I ain't gonna drill no steenking holes- but I would consider ty-wrapping something and maybe running some wires outside to a control or two.... basically, I've gotten lazy and want to find some way of keeping from riding the RF gain when being blasted with D. Duck language.

Paul Nelson
Ames, Iowa

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

(DrHydro@ames.net)

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Dave Heil <K8MN@clinet.fi>
Subject: RE: ROWH
Message-ID: <199602202152.XAA08284@hauki.clinet.fi>

At 11:50 AM 2/20/96 -0600, you wrote:

>>I have an original ROWH lapel pin that
>>was given out to the delegates of the first ARRL national convention in
>>Chicago. That would make it September 1, 1921.

>

>>If I'm invited to the next party, I'll wear it!

>

>>Paul, N9AZ

>

> Shoot, OT, they oughta just give you the original Wouff Hong -
>as a gift for safekeeping, I mean!! ;-) They didn't give out
>pins in '75 when I went through the ceremony.....wonder if that's
>a thing of the distant past?

>

> Paul, K4MSG

>

>That's a great idea, Paul (s),

More guys might be curious enough to go through the initiation if pins were
available. Believe I'll e-mail my Director about it!

73,

Dave OH2/K8MN

>

Dave Heil OH2/K8MN
Helsinki, Finland
k8mn@clinet.fi

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: drhydro@ames.net (Paul Nelson)

Subject: RT-665/TRC-88 question
Message-ID: <v01540a01ad4fe57c1a8a@[1.1.1.1]>

And since I seem to be in a postin' mood-

I have an RT-665/TRC-88 xcvr- 6 channel xtal controlled SSB/CW/FSK with a 2E24 final and the rest (sorry, folks) solid state. Channels installed are in the range of 3 to around 7 MHz. Receive xtals appear to be 9MHz above xmit xtals. Antenna and ground connectors are separate rubber-covered pushbuttons for bare wire- no coax here, guys! Radio is 10" wide, 4.5" high, 9" deep. Battery box attaches beneath it, now empty, adds 7" to depth. Actually, the battery box that's with it is a BB-447(A)/TRC-77 and has a different conector- but fits mechanically. The set appears to operate on 24V battery, probable NICAD wetcells. Made by Sylvania Electronic Defense Labs- serial number 8, order no. 01522-PM-62. Audio connector is a six-pin U-229/U, and I have a handset H-250/U which fits and works.

Anyone know what this beast will do? what it's worth? Does anyone have schematics/manuals I might copy? Finally- does anyone want this little guy more than I do? I'd be willin' to entertain offers- money, interesting military or aircraft stuff.

Paul Nelson
Ames, Iowa

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

(DrHydro@ames.net)

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: mack@mails.imes.com
Subject: Running BA's from DC
Message-ID: <9601208248.AA824856048@mails.imes.com>

I have seen several questions on several different lists recently asking in various ways about running any gear (but especially BA's for us) from 12 VDC. If you weren't looking for these you might not have seen them.

Many of us may not have noticed the incredible drop in price of 12VDC to 120VAC power inverters. Additionally the quality and performance is markedly improved over the old days.

My favorite source is a company called Damark ((800) 729-9000). The bottom of the line does 140W continuous(CCS?)/ 200W intermittent (ICAS?) for \$39. I know they go all the way up to 1500W CCS/3000W ICAS for about \$199. I seem to recall a behemoth 6000W unit for about

\$499 but I don't see it in the catalog I just checked. 6000W @ 12.6VDC equals 500 Amps!!! About 4 times a year they also wave the shipping charges on orders.

You can also get them at Radio Shack (but at double the cost) and other mail order audio or electronics places like Crutchfield, MCM, and Digi-Key.

These make perfect emergency or field day type power.

We can thank the UPS (power not the shipper) people and the Megawatt car stereo people for helping bring down the prices of these marvelous little boxes. They all use the same switching technology. I always wondered what a UPS or megawatt stereo was good for :)

Ray Mack
WD5IFS/AA
mack@mails.imed.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Jack Giehl" <JACKG@s1.xetron.com>
Subject: T12 Linear Amp
Message-ID: <ABC3AD50EAB@s1.xetron.com>

Dear BA Enthusiasts,

A friend of mine has an HF linear amp using a pair of 4CX1000 tubes. The only model info is "T12". Anyone out there have any info on this beast? He has it running, but is looking for a schematic and more info.

Jack

73,

=====
Jack, WB8BFS
jackg@xetron.com Loveland, Ohio (near Cincinnati)
=====

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Henry van Cleef <vancleef@bga.com>
Subject: Tek 575 earns its keep (again)
Message-ID: <199602220216.UAA12349@zoom.bga.com>

I picked up a Tek 575 Mod 122C last summer, and brought it up to top

shape. It sits on the floor, under my bench, ready to work.

Latest project on the bench happens to have some transistors in an audio amplifier, and some of them were cooked. The burnt-out resistors made it clear where the problem was, and the 575 confirmed that they were indeed shorted collector-emitter. That was after they'd passed the ohmmeter test. Since there were two more identical units in another circuit, I pulled one out and put it in the 575 to see what it looked like. Germanium PNP, beta (Hfe) about 70.

After some jiggy-pokery, which included queries to Usenet news groups that brought no responses, I identified some suitable replacements, and bought four. Since they are used in a totem pole circuit, it's best to get something like a reasonable match of Hfe. So the 575 went back to work. I lucked out---two have a beta right around 100; two are around 85.

I mention all this because there has been some discussing here about trying to convert a 575 to work with toobs. I'm opposed to that idea, because toobs are fairly readily identifiable, and even unmatched, their parameters are generally much tighter than with transistors. One can be a toob fan all day, but if you're working with electronics, you're going to get to play with solid state stuff, and that is where the 575 really earns the right to take up space and use electricity in my place. I could have fiddled around for weeks to get two matched pairs of transistors that will work in the circuit.

Happiness is a working 575, when you need one, and a lot of the things it will do are pretty hard to duplicate by other means.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: lakeith@wrdis01.robins.af.mil (Larry Keith)
Subject: Tennessee Traveling Antenna Farm to Dalton, *GA*
Message-ID: <199602202009.0AA27375@wrdis01.robins.af.mil>

In your message of 20 Feb 1996 at 1344 EST, you write:

> RWAYNE@ctc.net wrote:
> >
> > I am planning to attend the Dalton hamfest.
>

> Dalton? Do you mean Dayton?

>

Nooooooo.....

Dalton, *Georgia* hamfest is this Saturday..

Ain't you never bought no carpet? 8-)) Dalton, GA, is the carpet capital of the world!

Good medium-sized hamfest... Lot of action inside and there will be some, outside, (including me!!) based on the weather report..

Last year, I saw folks from Dayton, OH; Charleston, SC; and other faraway points. Rumor has it that Illustrious Listowner Hissself will be allowed back in the state of Georgia for this event. So, you folks traveling I-24 beware of the Tennessee Traveling Antenna Farm, AKA W4PPT/mobile...

>From the looks of things, Dalton is going to be a humdinger, this year. Weather report looks good.. Sunshine and 70 degrees.. That type of weather has been known to dislodge a lot boatanchors from Alabama, North Georgia, and Southeastern Tennessee.. BA Cleaner (TM) ain't the only thing to found in them thar hills..

Bone Yard One will be gassed and ready to leave central Georgia about 0500 local... Assuming that most of Georgia's finest will be sleeping at that hour, I expect to arrive at the site by 0800.. If you see me coming, please get out of the way... 8-0 I ain't been to a hamfest in about three months and I *am* ready....

73,

Larry, KQ4BY

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996

From: jml@spider.lloyd.com (Jim Lockwood)

Subject: Re: Tennessee Traveling Antenna Farm to Dalton, *GA*

Message-ID: <m0tozpn-000Tv0C@spider.lloyd.com>

>Rumor has it that Illustrious Listowner Hissself will
>be allowed back in the state of Georgia for this event.

hmmppppfff...I know all 'bout you Georgia boys. Y'all let just 'bout any furriner with money in his pockets come in the state.....so long as you think you can figgur a way to persuade him to leave it behind when he goes home.

73,

Jim - km6nk

(once up a time - WA4K00)

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: k1zat@bah.com
Subject: Re: Tennessee Traveling Antenna Farm to Dalton, *GA*
Message-ID: <Pine.SUN.3.91.960220222350.26620D-100000@booz.bah.com>

> Dalton, *Georgia* hamfest is this Saturday..
> Ain't you never bought no carpet? 8-)) Dalton, GA, is the carpet

Does that make one a "carpet bagger" if he does ? (just kiddin..grin).

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: Cormac Thompson <cormac@televar.com>
Subject: Thanks Valiant Help
Message-ID: <312B377B.45E1@televar.com>

Hello BA Group:

Thanks for the many prompt replies to my question on silver micas. Parts I needed all in stock at Mouser, except for the doorbknob cap. Many good ideas, tips and offers of help. Thanks again and 73.

Cormac, W7JHS
cormac@televar.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: tn timer for the coil advice!
Message-ID: <824856009.2993416@AppleLink.Apple.COM>

Greetings all -

Thanks to the group for the flood of responses on my coil question. As usual there was a range of replies, with most suggesting the varnished toilet paper roll route. The most useful came from Doug, who suggests a 15 turn primary (antenna to ground) and 90 turn secondary (tuning) on a 1.5 inch plastic pipe. Which was a successful design from his youth. There was also wide agreement that a slug, if used, should be made of ferrite, as the eddy currents in iron

or steel mess things up above audio frequencies. Doug also pointed out that the coil should be spaced away from the "chassis" by 2 or 3 inches, to reduce the effects of coupling. He's observed the Q falling from 140 to 20 just by mounting it directly onto a wooden base.

As I have a Sencore capacitance/inductance meter at work, I'll probably wrap and measure until I hit one that's about 250 uH and go from there.

BTW - While scrounging parts, I came upon a NOS Ohmite Z-4, 225 uH, 1000 ma. plate choke, labeled "Band 20-40-80-160" which had to come home with me. It's winding is 3.75 inches long, on a 6 1/2" x 3/4" ceramic core, and appears to have about 240 turns on it. I can't bear to sacrifice it, but may use it as a template for the science fair rig. :-)

tnx to all -

-df

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: owens@stout.atd.ucar.edu (Chip Owens)
Subject: TUBE INFO WANTED VT-191 WE316A
Message-ID: <199602211533.IAA05555@atd.atd.ucar.EDU>

Hello,

Does anyone have info on the VT-191/316A vacuum tube?

I have a couple of these tubes. They look like a big acorn 2.35 inches in diameter and 3.7 inches tall (including the base pins). It is easy to see that it is a triode, most likely for VHF use. I'm looking for the specs for these things. Would anyone care to provide info?

Thanks!

Chip Owens, NW00
owens@stout.atd.ucar.edu

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: John Shriver <jas@shiva.com>
Subject: Re: TUBE INFO WANTED VT-191 WE316A

Message-ID: <199602211614.LAA22285@shiva-dev.shiva.com>

The 316A is one of the very first UHF (or perhaps what they called at the time SHF) power triodes. Known as a doorknob tube. Dates from around 1936. Used in some of the earliest radars. Lots of them on the surplus market, Uncle Sam must have gotten carried away ordering them. (The tube audio crowd isn't interested in them.)

Obviously, designed with great concern over lead inductance. No socket, set-screws were used to clamp it into circuit.

The data is in the AES reprint of WECO tube data. Probably in some of the ARRL Handbooks.

The filament runs hot. I powered my one up, and started to get "soot" on the inside of the tube!

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996

From: "Ray L. Mote" <rmote@rain.org>

Subject: Tube pullers

Message-ID: <Pine.SUN.3.91.960221014532.8490C-100000@coyote.rain.org>

Been looking at a 7-pin MIL "chinese finger cuff" tube puller. Appears to have been made from two lengths of 0.021" dia. steel safety wire and a 1.5-inch length of approx. 3/16" (aluminum? it's very light & malleable) tubing.

2 pieces safety wire, with three loops and three twists per piece. Twist sequence is 1-3-5-1 for first piece, 2-4-6-2 for second. Typical "over/under/over/under" type construction. Twists 1,2,3 go to one end of tubing, twists 4,5,6 go to other end. Hammer ends down (or otherwise compress onto twists). Length of each loop is approx. 3 1/4", twist length would be 2" to get to center of tubing. Final step was probably to bend tubing into "U" shape. Oh yes, looks like the twists were dipped in solder. Deceptively simple-looking. Wonder if there was a very simple (read as "quick and easy") process developed to make these. Likely used a dowel as a forming tool. BTW: relaxed i.d. of assembly is approx. 11/16" for the 7-pinner.

I threaded a piece of #30 Kynar following one complete loop between twists to get length of loop; similar process for twist length but unable to see into tubing so assumed twists came close to meeting in center of tube. BTW: Each "loop" goes more than 360 degrees around the circle; it comes back and passes over its point of origin and the next twist, to terminate at the second twist past the origin (see loop sequence above for twists).

Don't have a sample of the 9-pin to use, so couldn't make measurements.
Anybody want to teach wire-weaving classes? <grin>

73..... Ray Mote, W6RIC <rmote@rain.org>

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: kb0qil@kb0qil-uhf.ampr.org
Subject: TUBE WANTED - 5837 "lighthouse"
Message-ID: <271@kb0qil.ampr.org>

All, I have a 'broken' 5837 lighthouse style osc. tube. If someone has
one they can sell I would like to hear.

73's Dan

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Cormac Thompson <cormac@televar.com>
Subject: Vik. Valiant caps
Message-ID: <312A2D41.2494@televar.com>

Hello group:

I have an original vintage Viking Valiant , circa 1958, with loading
problems, particularly on 80M. I would like to replace all the silver
mica caps switched by the bandswitch as well as the output coupling
control. Problem is, silver mica's no longer seem to be available in
this part of the country.

I need 4-350pf @500V, 4-150pf @500V, 1- 300pf @1200V, 1- 600pf @1200V, 1-
900 pf @ 1200V and 1- 1200pf @ 1200V. What is an acceptable substitute
for a SM? How critical are these values in this particular application?

I also would like to find a 2000pf doorknob cap at 20KV for a mod per the
Feb. ER mag article.

All information, suggestions and technical expertise gladly accepted!

73, Cormac, W7JHS
cormac@televar.com

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996

From: garland@MPS.OHIO-STATE.EDU (James C. Garland)
Subject: Re: Vik. Valiant caps
Message-ID: <01I1FYXJ7FUY8WVYV9@MPS.OHIO-STATE.EDU>

>Hello group:

>

>I have an original vintage Viking Valiant , circa 1958, with loading
>problems, particularly on 80M. I would like to replace all the silver
>mica caps switched by the bandswitch as well as the output coupling
>control. Problem is, silver mica's no longer seem to be available in
>this part of the country.

...etc

>73, Cormac, W7JHS

>cormac@televar.com

>

The large-value loading capacitors in the Valiant consist of a one-of-a-kind multistage mica capacitor which mounts on a metal standoff. I've learned that after several decades, it tends to short circuit, usually because arcing or cracking of the mica insulators occurs. The bad news is that, so far as I can ascertain, the capacitor was made by EFJ solely for the Valiant and is unavailable elsewhere.

The good news is that the capacitor can probably be repaired fairly easily. If you remove the capacitor from the chassis and loosen the central screw, you'll see that it consists of interleaved metal plates and pieces of mica. If you remove the pieces carefully, you can discard any cracked or shorted mica pieces without changing the capacitance values too much. If you can find some mica pieces, you can rebuild the capacitor from scratch.

If you want to replace the capacitor with fixed value micas, then you may have trouble locating ones with 1200V breakdown voltage. You could try using four 500V capacitors (groups of two in series with each other). The series combination would give you enough voltage rating, and the parallel combination would handle r.f. current without causing too much heating.

73,

Jim W8ZR

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Viking Ranger I Meter
Message-ID: <Pine.3.89.9602201602.A10977-0100000@unixs3.cis.pitt.edu>

In finishing the final phase of a restoration of this unit, I discovered

that the meter case is cracked. Does anyone have a meter case for sale?
Thank you.

Dave, W3BJZ

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: mflicinski@VNET.IBM.COM
Subject: re: Viking Valiant Caps (loading circuit)
Message-ID: <199602211815.MAA05529@uro.theporch.com>

Regarding Cormac's (W7JHS) inquiry on the Valiant loading caps,
are you certain you have a problem in the capacitors? On my
Valiant (circa 1956) I had a flaky loading problem on 80 and
traced it to the selector switch which switches coarse loading.
One of the contacts had been stretched a bit when the bare bus wire
was soldered to the associated capacitor and over time, it lost its
tension and arced- further exacerbating the problem through heating.

Take a close look at the switch contacts... if they have been arcing,
it is easy to spot.

Mike K2UXE
Austin, TX
mflicinski@vnet.ibm.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: aa4rm%amos.UUCP@mathcs.emory.edu (Marty)
Subject: Re: Vol-state rolling rhombic Dalton trek
Message-ID: <9602211414.AA05869@amos.YP.mystnite>

This may be the chance of a lifetime to call this furshluginger
bit slinger on the CARPET!!

...since he'll be in Dalton, the nation's rug capital

MR

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: gg216@cleveland.Freenet.Edu (Gerald Hoffert)
Subject: W.T.B. Gonset Communicator IV
Message-ID: <199602211325.IAA15809@piglet.INS.CWRU.Edu>

Want to buy Gonset Communicator IV for 2M 6M and 220mhz. in any condition.
E mail or call Jerry 216-642-4674.

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: gg216@cleveland.Freenet.Edu (Gerald Hoffert)
Subject: W.T.B. Gonset VFO
Message-ID: <199602211322.IAA15127@piglet.INS.CWRU.Edu>

Looking to buy Gonset VFO model 3357 which covers 6meters and 2meters and 220mhz. This can be in any condition. E mail or call Jerry 216-642-4674.

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: w0ogh@ix.netcom.com (Larry Godek)
Subject: wollenweber ants
Message-ID: <199602220256.SAA03800@ix2.ix.netcom.com>

About 5 miles south of Coronado, across the bay from San Diego, is a Naval communications facility. I drove by it this past weekend when over there on an R & R tour with the XYL. I wonder if that big round antenna arrangement they have is the same thing as is being discussed here. Can only get within maybe half mile of it and we didn't have the binoculars with us. Besides that there is no stopping along the highway going past there. Anyone else on here know for sure if this is the same animal. Neat looking device.

Larry W00GH@ix.netcom.com

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: jmartin@hrlban1.aircrew.asu.edu
Subject: Wouff Hong
Message-ID: <SA39+Rlt8la@hrlban10.alhra.af.mil>

Duncan, our Belgian friend, asked what it all meant, and Jeff NH6IL wrote:
>We would but we were sworn to secrecy after going through the initiation.
>If you can find a picture of the Wouff Hong in a QST it might explain
>fully the experience of having been subjected to it...

=====
OK, I don't know either... but it sounds like either some obscene medical procedure, or something one sees in a zoo. C'mon, just a hint?
73, John Martin
jmartin@hrlban1.aircrew.asu.edu

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996

From: w0ogh@ix.netcom.com (Larry Godek)
Subject: Wouff Hong
Message-ID: <199602220250.SAA19454@ix10.ix.netcom.com>

TOM used to write about using it on some of our more unfriendly, unknowledgeable (sp) cohorts on the band. Don't remember if Rod Newkirk ever mentioned it or not but another favorite term was "rettysnitch". For some delightful reading, I heartily recommend reading Mssr. Newkirks DX columns from the 40s and 50s in QST.

Tom Adams stories are good indeed, but poetry by Rod pertaining to the DXHPDS etc sometimes would cause one to roll on the floor.

Larry W00GH@ix.netcom.com

ps: I went thru the Wouff Hong ceremony at the 76 convention in Denver.

From boatanchors@theporch.com Wed Feb 21 23:54:47 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Re: Wouff Hong
Message-ID: <86362.ddillman@igc.apc.org>

On Wed, 21 Feb 1996 20:51:43 -0600 (CST),
Larry Godek <w0ogh@ix.netcom.com > wrote:

>Don't remember if Rod
>Newkirk ever mentioned it or not but another favorite term was
>"rettysnitch". For some delightful reading, I heartily recommend
>reading Mssr. Newkirks DX columns from the 40s and 50s in QST.

They delightful, literary, funny... ham radio at its best. One I remember doesn't deal with the DXHPDS but rather tells the tale of him on a destroyer at anchor during or maybe just after the war. He sent an idle CQ on a flashlight. Not only was he answered but was quickly QSO with another ham who recognized him and called him by call sign. Turned out he know the other guy too, as I remember.

>Tom Adams stories are good indeed, but poetry by Rod pertaining to the
>DXHPDS etc sometimes would cause one to roll on the floor.

Yes, they were great. We (I guess I should say "they") were more of a fraternity then and could poke fun at each other. But let us not say a word more without mentioning Gil and his great character Jeeves. I have the Gil collection here somewhere. He was funny, perceptive, and could draw women better than W. Wood, in my opinion.

>ps: I went thru the Wouff Hong ceremony at the 76 convention in
>Denver.

1962 in New York City for me. Arf!

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Feb 21 08:09:46 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Re: WTD:Dalton Hamfest Info
Message-ID: <312A221F.17CF@sci.mus.mn.us>

RWAYNE@ctc.net wrote:

>

> I am planning to attend the Dalton hamfest.

Dalton? Do you mean Dayton?

--

Chuck Penson
Education Division
Science Museum of Minnesota

penon@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday